

IN THE CLAIMS:

1-2. (canceled)

3. (currently amended) ~~The optical coupling lens system according to claim 2 An~~
optical coupling lens system, comprising:

a first lens having a first curved surface; and
a second lens having a second curved surface, wherein the first and second lenses
are bonded together with the first and second curved surfaces opposite to each other, the
first and second lenses each having a flat rear surface and the first and second curved
surface are on respective front surfaces, and wherein the first and second curved front
surfaces each include at least one groove and a flat bonding surface surrounding the
groove, wherein the groove is formed with a lens surface projected from a bottom
surface of the groove.

4. (original) An optical coupling lens system according to claim 3, wherein the flat bonding surfaces of the first and second lenses are bonded with each other.

5. (currently amended) An optical coupling lens system according to claim 3*t*,
wherein the first and second lenses have an anti-reflection coating on their respective

rear and front surfaces.

6. (currently amended) An optical coupling lens system according to claim 34,
wherein the first and second lenses are made of a semiconductor material.

7. (original) The optical coupling lens system according to claim 6, wherein the
semiconductor material is selected from the group consisting of Si, InP, or GaAs.

8. (withdrawn) A method for manufacturing an optical coupling lens system,
comprising the steps of: (a) forming a mask on a front surface of a substrate, wherein the
mask has at least one empty space and the spaces are apart from each other; (b) forming
a photosensitive layer in a space of the mask; (c) heating the photosensitive layer to form
a curved surface; (d) etching the photosensitive layer to form the front surface of the
substrate located under the photosensitive layer; and (f) bonding two substrates formed
by the previous steps so that the curved surfaces of the substrates are opposite to each
other.

9. (withdrawn) The method according to claim 7, wherein the etching step
includes forming the front surface in a wave form.

10. (withdrawn) The method according to claim 7, further comprising a step of providing an anti-reflection coating to both opposite surfaces of each substrate, prior to step f.

11. (withdrawn) The method according to claim 7, wherein prior to step f, a front surface of any one of the substrates is provided with an adhesive material.

12. (withdrawn) The method according to claim 7, further comprising the step of cutting the bonded substrates into one or more units of a lens system.

13. (new) The system of claim 3, wherein said first and second lenses are configured and arranged for collectively causing an inputted diverging beam to be outputted as a converging beam.

14. (new) The system of claim 13, wherein said first and second curved surfaces bulge inwardly toward each other.

15. (new) The system of claim 3, wherein the bonding together forms a two-lens

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element.

16. (new) The system of claim 3, wherein the bonding together bonds together said first and second lenses into immediate optical adjacency.